



# REPLACEMENT SHEET

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|            |      |                |     |
|------------|------|----------------|-----|
| 202        |      |                | 203 |
| 0x00004000 | MOV  | r5, #20        | A   |
| 0x00004004 | MOV  | r5, #13        | K   |
| 0x00004008 | ADR  | r0, A          | F   |
| 0x0000400c | LDR  | r4, [r1], #5   | B   |
| 0x00004010 | MLA  | r2, r3, r5, r5 | C   |
| 0x00004014 | SUBS | r4, r4, #1     | H   |
| 0x00004018 | CMP  | r2, #1         | I   |
| ...        |      |                |     |

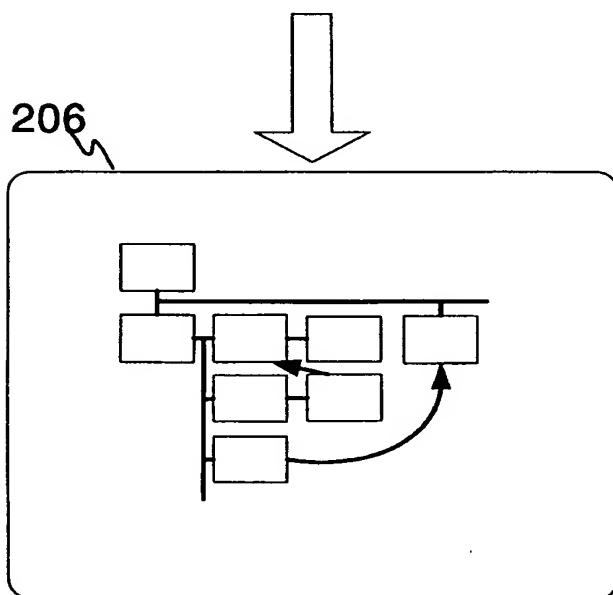
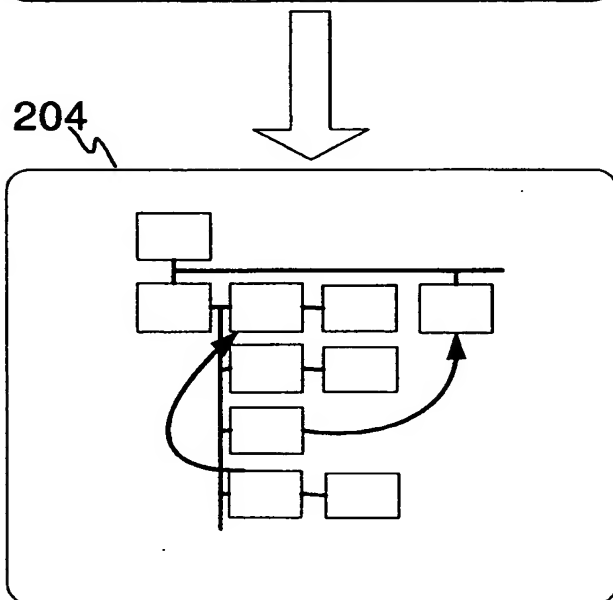


Figure 2

# REPLACEMENT SHEET

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| basic block-> | 1   | 2   | 3   | 4   | 5   | 6   |
|---------------|-----|-----|-----|-----|-----|-----|
| block end     | A   | A   | G   | A   | G   | D   |
| bl. end -4    | B   | B   | E   | B   | E   | S   |
| bl. end -8    | C   | J   | A   | C   | A   | J   |
| bl. end -12   | D   | E   | D   | D   | A   | B   |
| bl. end -16   | E   | G   | H   | E   | S   | C   |
| bl. end -20   | F   | A   | F   | S   | D   | D   |
| bl. end -24   | G   | D   | V   | A   | F   | E   |
| bl. end -28   | H   | K   | B   | O   | L   | G   |
| bl. end -32   | I   | A   | A   | E   | U   | S   |
| bl. end -36   | G   | I   | H   | W   | E   | O   |
| bl. end -40   | K   | T   | U   | E   | W   | T   |
| bl. end -44   | L   | S   | W   | R   | Q   | V   |
| ... bl. start | ... | ... | ... | ... | ... | ... |

304

|   | 1   | 2   | 3   | 4   | 5   | 6   |
|---|-----|-----|-----|-----|-----|-----|
| 1 | 922 | 2   | 0   | 5   | 0   | 0   |
| 2 | 2   | 415 | 0   | 2   | 0   | 0   |
| 3 | 0   | 0   | 120 | 0   | 3   | 0   |
| 4 | 5   | 2   | 0   | 162 | 0   | 0   |
| 5 | 0   | 0   | 3   | 0   | 811 | 0   |
| 6 | 0   | 0   | 0   | 0   | 0   | 122 |

306

|   | 3   | 5   | 6   |
|---|-----|-----|-----|
| 3 | 120 | 3   | 0   |
| 5 | 3   | 811 | 0   |
| 6 | 0   | 0   | 122 |

Figure 3